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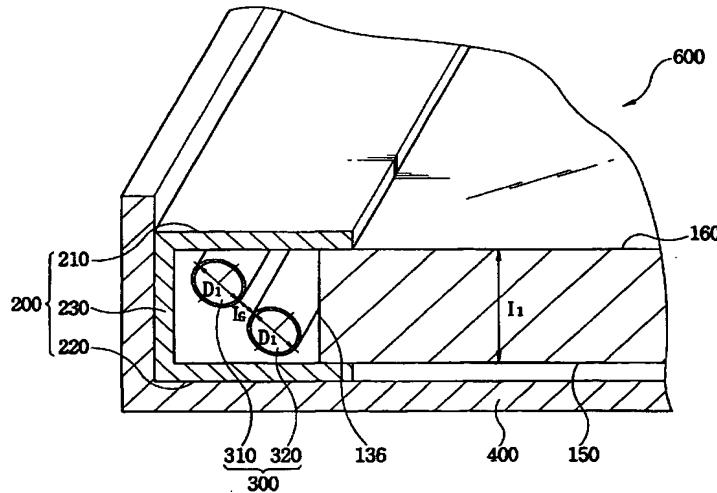
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(54) Title: BACK LIGHT ASSEMBLY AND LIQUID CRYSTAL DISPLAY DEVICE HAVING THE SAME



(57) Abstract: A backlight assembly (600) of the present invention includes a light guide plate (LGP), a light reflecting member (200), two lamps (300). The LGP includes a light incidence face (136), a light reflecting face (150), and a light exiting face (160). The light reflecting face (150) reflects a first light toward the light exiting face (160) to transform the first light into a second light. The second light exits from the light exiting face (160). A width of the light incidence face (136) is a first distance. The light reflecting member (200) covers the light incidence face (136) so as to form a receiving space (240). The two lamps (300) are disposed in the receiving space (240). The two lamps (300) are spaced apart from each other by a second distance. A sum of diameters of the two lamps and the second distance is longer than the first distance. According to the present invention, a weight, a volume and a thickness of the LGP is reduced.

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CLASSIFICATION OF SUBJECT MATTER

IPC⁷: G02F 1/13357, G02B 6/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: G02F, G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPODOC, WPI, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6419369 B1 (ITOH) 16 July 2002 (16.07.2002) <i>fig.1,2; column 2, line 60 - column 4, line 59.</i>	1,5,11,15
A	US 2001/0055204 A1 (MITSUTERU) 27 December 2001 (27.12.2001) <i>fig.1,3; paragraphs 17-19,31.</i>	1,5,11,15
A	JP 2002 6314 A (TOSHIBA CORP) 9 January 2002 (09.01.2002) <i>fig. 1,2,8.</i>	1,5,11,15
A	US 5442522 A (KALMANASH) 15 August 1995 (15.08.1995) <i>fig. 5; column 4, line 58 - column 5, line 22.</i>	1-3,11-13
A	DE 19844921 A1 (PATENT-TREUHAND) 13 April 2000 (13.04.2000) <i>fig.1,3,4; column 4, lines 17-28; column 5, line 40 - column 6, line 14.</i>	1,2,4,11,12,14

 Further documents are listed in the continuation of Box C. See patent family annex.

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Information on patent family members

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